

**Nebraska Department of Natural Resources**

6844000 Muddy Creek at Arapahoe Q, WATER YEAR OCT 2014 TO SEP 2015 Daily Mean Values												
Day	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15
1	3.7	3.9	e4.6	e3.8	e4.3	e5.3	5.4	4.9	5.1	5.0	3.6	3.5
2	3.8	4.4	e4.9	e3.6	e4.4	e5.4	5.5	5.1	5.8	5.9	3.6	3.4
3	3.9	4.5	e5.1	e3.5	e4.9	e5.4	6.2	5.0	5.2	5.8	3.6	3.3
4	3.7	4.5	e5.1	e3.6	e5.1	e5.5	6.2	5.0	4.9	5.1	4.6	3.4
5	4.0	4.4	e5.0	e3.5	e4.7	e5.5	5.9	5.4	8.3	4.8	5.6	3.3
6	3.9	4.3	e5.0	e3.6	e5.2	e5.6	5.7	6.1	10	5.0	8.1	3.3
7	3.8	4.5	e5.1	e3.6	e5.5	e5.6	5.2	6.4	7.1	4.8	10	3.3
8	3.7	4.6	e5.2	e3.7	e5.6	e5.7	5.3	6.5	6.1	4.7	6.2	3.5
9	3.7	4.2	e5.1	e3.8	5.7	5.9	5.6	6.3	5.8	4.6	5.4	3.6
10	3.7	e4.3	e5.1	e3.8	5.8	6.0	5.9	6.3	6.1	4.7	4.9	11
11	3.8	e4.1	e5.1	e3.9	5.8	5.9	5.6	6.4	12	126	4.5	3.6
12	3.9	4.1	e5.2	e3.9	5.8	5.9	5.5	6.0	6.6	14	4.3	3.3
13	4.0	4.1	e5.6	e3.7	5.6	6.0	5.7	5.9	5.9	4.5	4.7	3.5
14	4.2	e4.1	e5.9	e3.9	5.6	5.9	5.4	6.4	15	3.9	5.1	3.4
15	4.1	e4.1	e6.5	e4.2	5.5	5.7	5.4	6.3	6.6	4.3	4.7	3.4
16	4.0	e4.2	e5.8	e4.6	e5.5	5.5	5.9	6.4	5.4	4.2	8.6	3.2
17	4.0	e4.3	e5.3	e4.9	e5.5	5.8	6.3	6.4	12	4.1	5.7	3.2
18	3.9	4.3	e5.0	e4.8	e5.5	5.8	6.6	6.0	13	3.7	4.7	3.2
19	4.2	e4.3	e5.1	e5.1	e5.4	6.0	6.8	6.0	6.6	3.7	4.3	3.2
20	4.2	e4.3	e5.1	e5.0	e5.4	5.9	6.9	7.4	8.3	3.7	4.1	3.2
21	4.0	e4.3	e5.1	e5.0	e5.4	5.8	6.1	6.6	6.8	3.5	4.0	3.3
22	3.6	4.6	e5.1	e4.8	e5.4	5.9	5.6	6.4	5.8	3.5	4.4	3.4
23	3.9	4.7	e5.5	e4.9	e5.3	6.0	5.4	6.8	5.2	3.8	4.0	4.6
24	4.0	4.6	e5.4	e5.0	e5.4	5.6	5.5	6.3	5.3	4.3	4.1	5.1
25	4.1	4.6	e5.6	e5.3	e5.4	5.8	7.2	6.1	5.0	4.0	4.1	4.5
26	3.9	e4.7	e5.6	e4.9	e5.5	5.6	6.8	5.7	4.9	3.8	3.6	4.0
27	3.8	e4.5	e5.2	e4.9	e5.4	5.4	7.4	5.1	4.8	3.9	3.6	4.0
28	4.0	e4.9	e4.9	e4.9	e5.4	5.4	6.0	4.9	4.7	3.9	3.6	4.0
29	4.0	e5.0	e4.8	e4.8	---	5.6	5.2	5.3	4.6	3.7	3.6	4.0
30	4.6	e5.1	e4.5	e4.8	---	5.1	5.2	6.0	4.5	3.7	3.5	4.0
31	4.4	---	e4.1	e4.8	---	5.2	---	5.2	---	3.7	3.5	---
<b>Total</b>	122.5	132.5	160.6	134.6	150	175.7	177.4	184.6	207.4	264.3	148.3	115.7
<b>Mean</b>	3.95	4.41	5.17	4.35	5.36	5.67	5.91	5.97	6.92	8.53	4.79	3.84
<b>Max</b>	4.6	5.1	6.5	5.3	5.8	6.0	7.4	7.4	15	126	10	11
<b>Min</b>	3.6	3.9	4.1	3.5	4.3	5.1	5.2	4.9	4.5	3.5	3.5	3.2
<b>AC-FT</b>	243	263	319	267	298	349	352	366	411	524	294	229
<b>CAL YEAR</b>	2014	<b>TOTAL</b>	2271	<b>MEAN</b>	6.22	<b>MAX</b>	169.0	<b>MIN</b>	1.8	<b>AC-FT</b>	4500	
<b>WTR YEAR</b>	2015	<b>TOTAL</b>	1974	<b>MEAN</b>	5.41	<b>MAX</b>	126.0	<b>MIN</b>	3.2	<b>AC-FT</b>	3910	

Legend: 'e' Estimated

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by J A MARBURGER

REPUBLICAN RIVER BASIN  
MUDDY CREEK at Arapahoe, 06844000

**LOCATION.**

NW1/4NW1/4 Sec. 22-4-23 W., Furnas County, Latitude 40° 18' 20", Longitude 99° 54' 40", on the left bank, 10 feet upstream from the bridge on U.S. Highways 6 and 34, 0.2 miles west of Arapahoe.

DRAINAGE AREA.  
246 square miles.

**GAGE.**

Continuous stage recorder. Gage datum is 2,144.916 feet North American Vertical Datum 1988 (NAVD88) as of  
21-May-14

**PERIOD OF RECORD.**

1950-1972, 1977-1994, January 1, 1998-present.

**REMARKS.**

Published by the USGS up to October 1, 1993. Nebraska Department of Water Resources also operated and published from October 1, 1993 to December 31, 1994. Records are good, except estimated records are poor.

**EXTREMES FOR PERIOD OF RECORD.**

Peak discharge 10,800 cfs May 8, 1986, gage height 28.90 feet; minimum daily discharge zero on Aug. 26, 1953.

**EXTREMES FOR CURRENT YEAR.**

Peak discharge 244 cubic feet per second July 11, gage height 8.01 feet;  
minimum daily discharge 3.2 cubic feet per second September 16 - 20.